Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/10/2021 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124518	-1	2.75	124663	2.76
Blue	F	SSC	125000	122404	-3	3.87	123318	3.84
Blue	E	FITC	14203	13628	-5	3.14	296	15.39
Blue	D	PE	25703	25208	-2	2.85	547	10.97
Blue	B	PerCP-Cy5-5	42104	40914	-3	3.49	914	14.71
Blue	A	PE-Cy7	34646	33695	-3	4.66	479	28.53
Red	C	APC	49824	48540	-3	3.19	1484	11.38
Red	A	APC-Cy7	39773	38407	-4	3.29	714	12.07
Violet	B	V450	7447	7137	-5	4.00	399	12.38
Violet	A	V500	31193	29652	-5	3.83	676	9.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21978	2.98	545	-11	N/A	N/A	Pass
Blue	F	SSC	54019	3.44	511	-1	N/A	N/A	Pass
Blue	E	FITC	55	51.89	482	-4	0.0397	69	Pass
Blue	D	PE	108	38.02	484	-1	0.3306	219	Pass
Blue	B	PerCP-Cy5-5	174	35.58	575	-2	0.0190	30	Pass
Blue	A	PE-Cy7	108	64.63	618	-2	0.0240	13	Pass
Red	C	APC	346	23.86	567	0	0.0286	111	Pass
Red	A	APC-Cy7	198	24.86	544	0	0.0060	523	Pass
Violet	B	V450	89	39.43	453	4	0.0491	1444	Pass
Violet	A	V500	119	27.28	470	3	0.0296	626	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.29	-31.96	0.95
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	21.00	15.99 - 23.99	N/A	N/A	30.24	30.61	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10551

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments